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- Published:  
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: Pre-mix formulations comprising ingredients for dairy products

(57) Abstract: Ingredients and methods of using ingredients to produce dairy based food products. The ingredients may include milk protein concentrate, fat containing powders and other compounds including sweetening agents, flavours, preservatives, salts and emulsifiers. Food products that can be made according to the invention include yoghurt, cheese, cheese spreads, sweet spreads, nutrition bars, cream cheese, dairy desserts and sour cream.

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# INTERNATIONAL SEARCH REPORT

International application No.  
**PCT/NZ03/00189**

## A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. <sup>7</sup>: A23C 9/00, 19/086, B65B 1/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) .

**SEE ELECTRONIC DATABASE BOX BELOW**

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

**SEE ELECTRONIC DATABASE BOX BELOW**

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPIDS, FSTA, USPTO patents: keywords: Dry, powder, pre-mix, kit, milk, MPC, milk protein concentrate, cream, cheese, yogurt.

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5935633, A (Derian R A) 10 August 1999. See whole document.	1-64
X	US 4497841, A (Wudel J A <i>et al.</i> ) 5 February 1985. See whole document.	1-41 and 59-64

☒ Further documents are listed in the continuation of Box C

☒ See patent family annex

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search 5 December 2003	Date of mailing of the international search report 11 DEC 2003
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# INTERNATIONAL SEARCH REPORT

International application No.

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages (Remove spaces when completed if the page is too long)	Relevant to claim No.
X	US 4388337, A (Cawdron D) 14 June 1983. See whole document.	1, 2, 40 and 41
X	US 5736181, A (Bezner K <i>et al.</i> ) 7 April 1998. See whole document.	1, 2, 40 and 41
A	US 6183804, B (Moran J W <i>et al.</i> ) 6 February 2001. See whole document.	
A	US 6183805, B (Moran J W <i>et al.</i> ) 6 February 2001. See whole document.	

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/NZ03/00189

## Box I Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos :  
because they relate to subject matter not required to be searched by this Authority, namely:
  
2. ☒ Claims Nos : 1, 2, 40 and 41  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:  
See supplementary sheet below.
  
3. ☐ Claims Nos :  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)

## Box II Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
  
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

☐ The additional search fees were accompanied by the applicant's protest.

☐ No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

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## Supplemental Box

(To be used when the space in any of Boxes I to VIII is not sufficient)

### Continuation of Box No: I

The scope of claims 1, 2, 40 and 41 are unduly broad and speculative. A meaningful and economically feasible search could not encompass the complete subject matter of the claims. Claims 1 and 40 refer to a method of preparing a dry pre-mix that comprises combining at least two of the three groups of ingredients listed, the last of these comprises 16 different types of ingredients of which there may be more than one alternative for. This results in a large number of combinations. Therefore the full scope of these claims have not been searched.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/NZ03/00189

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report			Patent Family Member (To put a line under the citations tab to the first point on the next row and press F8)				
US	5935633	AU	24893/97	CA	2205469	CN	1169825
US	4388337	NONE					
US	4497841	NONE					
US	5736181	AT	202898	CZ	9602656	DE	19535581
		DE	69613782	ES	2158977	DK	764406
		EP	0764406	GR	3036488	HU	216726 B
		HU	9602631 A2	NO	964014	PL	183023 B1
		PL	316249 A1	PT	764406	TR	970309
US	6183804	AU	57074/99	EP	0997073		
US	6183805	NONE					
							END OF ANNEX

(To add more lines press TAB at end of last row, remove paragraph marker to join up 'END OF ANNEX' box)